



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company



Job No.: CTCE/BBMP/W.No.13/RN/CEMENT/2012-13

Date: 15.03.2013

TEST REPORT



CLIENT	:	Asst. Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
AGENCY	:	Mr. R. Niranjana, Contractor, Bangalore.
NAME OF THE WORK	:	Providing cement concrete to Cross Road at back side of Mahalakshmi Temple, Kalyananagara in Ward No. 13, Shettyhalli Sub Division, BBMP, Bangalore.
REFERENCE	:	BBMP/AEE/SSD/DZ/PR/2012-13 Dated: 13.03.2013
SAMPLE ID	:	CEMENT
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	178 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	493 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00 %	-



Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

ಹಾಕಿದ ಕೆಲಸವು ನಿಜವಾದದ್ದು ಎಂದು ಖಚಿತಪಡಿಸಲಾಗಿದೆ.
ಪ್ರಾ. ಅಧಿಕಾರಿಗಳು, ಕಾರ್ಪೊರೇಷನ್, ಕೆ.ಆರ್.ನಗರ
ಪ್ರಾ. ಅಧಿಕಾರಿಗಳು, ಕಾರ್ಪೊರೇಷನ್, ಕೆ.ಆರ್.ನಗರ

Query regarding the report must be reported within 15 days from the date of testing.

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthi Ganapathi Nagara,
Basaveshwaranagar,
Bangalore - 560 079

Handwritten signature

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.

Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com

e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company



Job No.: CTCE/BBMP/W.No.13/RN/AGG/2012-13



: 15.03.2013

TEST REPORT ON FINE AGGREGATES (SAND) IS 383-1970 (RA- 2002)

Client : Asst. Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Agency : Mr. R. Niranjana, Contractor, Bangalore.
Name of Work : Providing cement concrete to Cross Road at back side of Mahalakshmi Temple, Kalyanagar in Ward No. 13, Shettyhalli Sub Division, BBMP, Bangalore.
Reference : BBMP/AEE/SSD/DZ/PR/2012-13 Dated: 13.03.2013
Date of Testing : 15.03.2013
Material : Sand

Total Wt. of Aggregates in gms 2000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	67	3.35	3.35	96.7	90-100
2.36	229	11.45	14.80	85.2	75-100
1.18	387	19.35	34.15	65.9	55-90
600 Micron	530	26.50	60.65	39.4	35-59
300 Micron	369	18.45	79.10	20.9	8-30
150 Micron	288	14.40	93.50	6.5	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.



M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthi Ganapathi Nagar,
Basaveshwaranagar,
Bangalore - 560 079



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company



Job No.: CTCE/BBMP/W.No.13/RN/AGG/2012-13



: 15.03.2013

TEST REPORT ON COARSE AGGREGATES IS 383-1970 (RA- 2002)

Client : Asst. Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Agency : Mr. R. Niranjana, Contractor, Bangalore.

Name of Work : Providing cement concrete to Cross Road at back side of Mahalakshmi Temple, Kalyananagara in Ward No. 13, Shettyhalli Sub Division, BBMP, Bangalore.

Reference : BBMP/AEE/SSD/DZ/PR/2012-13 Dated: 13.03.2013

Date of Testing : 15.03.2013

Material : 40mm Aggregates

Total Wt. of Aggregates in gms 25100

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	968	3.86	3.86	96.14	95-100
20	14275	56.87	60.73	39.27	30-70
10	6524	25.99	86.72	13.28	10-35
4.75	3047	12.14	98.86	1.14	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

ಇದರ ಮೇಲೆ ಸಹಿ ಮಾಡಿದರೆ ಮಾತ್ರ
ಪರಿಶೀಲಿಸಿ ಮತ್ತು ದೃಢೀಕರಿಸಿ
ಮಾನ್ಯ ಅಧಿಕಾರಿಗಳಿಗೆ
ಪ್ರಸ್ತುತಿಸಲಾಗುವುದು.

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthi Ganapathi Nagara,
Basaveshwaranagar,
Bangalore-79.

Am

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com

e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company



Job No.: CTCE/BBMP/W.No.13/RN/STEEL/2012-13

Date: 16.03.2013



TEST REPORT ON REINFORCEMENT STEEL

Client : **Asst. Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency : **Mr. R. Niranjana, Contractor, Bangalore.**

Name of the work : **Providing cement concrete to Cross Road at back side of Mahalakshmi Temple, Kalyanapura in Ward No. 13, Shettyhalli Sub Division, BBMP, Bangalore.**

Reference : **BBMP/AEE/SSD/DZ/PR/2012-13 Dated: 13.03.2013**

Date of Test : **16.03.2013**

Technical Reference : **IS: 1786-2008**

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm ²	Tensile strength (Ultimate stress) N/mm ²	Elongation percent gauge length		
1	8	0.40	513	546	13.20	O.K	O.K
2	10	0.62	515	549	13.35	O.K	O.K

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

Any Query regarding the report must be reported within 15 days from the date of testing.

ಸಹಾಯಕ ಅಧೀಕ್ಷಕರು, ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸವೇಶ್ವರನಗರ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthi Ganapathi Nagara,
Basaveshwaranagara,
Bangalore-79.



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company



Job No.: CTCE/BBMP/W.No.13/RN/Core/2012-13

04.04.2013

PRECAST COVERING SLAB CONCRETE (CORE) TEST REPORT



Name of Client : Asst. Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore

Name of the Agency : Mr. R. Niranjana, Contractor, Bangalore.

Name of work : Providing cement concrete to Cross Road at back side of Mahalakshmi Temple, Kalyanagara in Ward No. 13, Shettyhalli Sub Division, BBMP, Bangalore.

Reference : BBMP/AEE/SSD/DZ/PR/2012-13 Dated: 13.03.2013

No. of Sample Tested : 03

Date of Testing : 04.04.2013

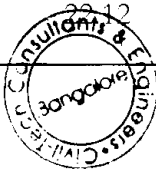
Technical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.

Grade of Concrete : M₂₀

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m ³)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm ²)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm ²)	Equivalent Cube Compressive Strength (N/mm ²)
1	50.00	85.00	0.422	2528.50	1.70	0.960	33.2	16.92	18.28	17.55	21.93
2	50.00	84.00	0.418	2534.35	1.68	0.960	32.9	16.75	18.09	17.37	21.71
3	50.00	86.00	0.431	2552.40	1.72	0.960	33.5	17.07	18.44	17.70	

Note:

- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- The results indicated above are based on the tests carried out on the samples received in the laboratory.
- Any Query regarding the report must be reported within 15 days from the date of testing.



M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthi Ganapathi Nagara,
Basaveshwaranagara,
Bangalore-79.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.

Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com

e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company



Job No.: CTCE/BBMP/W.No.13/RN/CUBE/2013-14



06.05.2013

TEST REPORT ON CONCRETE CUBES

Client : Asst. Executive Engineer, Shettuhalli Sub Division, BBMP, Bangalore.

Agency : Mr. R. Niranjana, Contractor, Bangalore.

Name of the work : Providing cement concrete to cross road at back side of Mahalakshmi Temple, Kalyannagara in Ward No.13, Shettuhalli Sub Division, BBMP, Bangalore.

Reference : BBMP/AEE/SSD/DZ/PR/2012-13 Dated: 13.03.2013

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₂₀

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	08.04.2013	06.05.2013	8.241	472.7	21.01
2	08.04.2013	06.05.2013	8.423	509.5	22.64
3	08.04.2013	06.05.2013	8.348	493.9	21.95

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. The report must be reported within 15 days from the date of testing.

(Handwritten signature)
M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthi Ganapathi Nagar,
Basaveshwaranagara,
Bangalore-79.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagar, Basaveshwaranagara, Bangalore-79.

Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com

e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com